

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Homer W. Fogle, Jr. et al  
 Filing Date :  
 For : ACTUATABLE FASTENER  
 Attorney Docket No. : TRW(AP) 6308  
 Cleveland, Ohio 44114-1400

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office in accordance with 37 CFR §1.56.

Below is a list of information of which persons substantively involved in the preparation of the application identified above, are aware of. This statement is not a representation that no other relevant information exists, and is not an admission that any of the items is material. Copies of listed patents and publications are enclosed. No copies of the listed U.S. Patents and U.S. Patent Applications are enclosed. A PTO Form 1449 is attached.

PATENTSRELEVANCE

U.S. Patent No. 3,084,597

Discloses an explosive quick-disconnect.

U.S. Patent No. 4,986,708

Discloses a self-sealing separation fastener for small confines.

PATENTS

U.S. Patent No. 3,675,533

U.S. Patent No. 3,352,189

U.S. Patent No. 6,007,043

U.S. Patent No. 3,449,996

U.S. Patent No. 3,530,759

U.S. Patent No. 4,671,715

U.S. Publication No.  
2002/0043790 A1

  
Homer W. Fogle, Jr.

  
Robert R. Debbs

  
John P. O'Loughlin

TAROLLI, SUNDHEIM, COVELL,  
TUMMINO & SZABO L.L.P.  
1111 Leader Building  
526 Superior Avenue  
Cleveland, Ohio 44114-1400  
Phone: (216) 621-2234  
Fax: (216) 621-4072

RELEVANCE

Discloses a fastening means severable by ignition of an explosive charge.

Discloses an explosive bolt.

Discloses a device for holding down and releasing solar panels.

Discloses a separable bolt.

Discloses an explosively severable element.

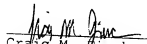
Discloses a lesser shock separation fastener.

OTHER

Discloses an actuatable fastener for air bag module vent.

Respectfully submitted,

  
Eric R. McFarland

  
Craig M. Fischer

  
Halley P. Stevens

  
Keven D. Thomas

  
THOMAS L. TAROLLI  
Reg. No. 20,177

FORM PTO-1449  
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT*(Use several sheets if necessary)*

ATTY DOCKET NO.

TRW(AP)6308

SERIAL NO.

/

APPLICANT:

Homer W. F. Gle, Jr., et al

FILING DATE:

GROUP:

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	3,084,597	4/63	Beyer			
	4,986,708	1/91	Moore, et al			
	3,675,533	7/72	Gawlick, et al			
	3,352,189	11/67	Brown			
	6,007,043	12/99	Sperber, et al			
	3,449,996	6/69	Takahashi			
	3,530,759	9/70	Francis			
	4,671,715	6/87	Berg			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		U.S. Patent Publication No. 2002/0043790 A1 Elqadah, et al

DATE CONSIDERED

EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.